



27 FEBRUARY 2023

Hamilton Campground Limited

c/- Tristan Jones

s 9(2)(a)

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HD2005 – Corner of Peachgrove/Ruakura Roads, Hamilton – Geotech letter to support fast track submission

Dear Tristan,

Hamilton Campground Limited have previously engaged us to undertake a preliminary geotechnical report (PGR)¹ for the site, which is located at the southern corner of Peachgrove and Ruakura Road, Hamilton.

Based on the plans² provided, we understand the multistorey, mixed-use development will consist of:

- a 150 key (max) hotel
- 170 (max) residential units
- 5 storey (max) building for the hotel/commercial (plus basement)
- 4 storey (max) for residential buildings (plus basement)

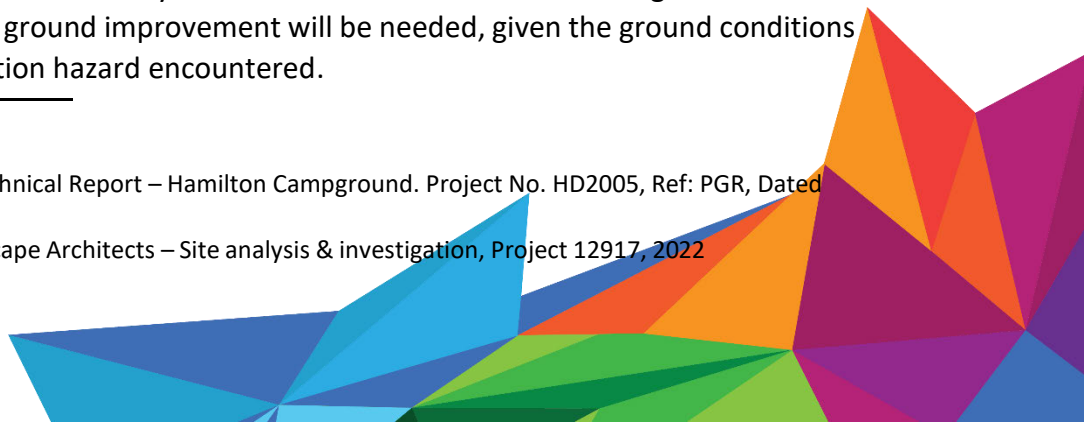
Our onsite investigation was completed between May to June 2021. We assessed ground conditions by conducting 10 hand augers, 8 soakage tests and 5 cone penetration tests.

Our key findings show:

- as per Section 106 of the Resource Management Act, we consider the site to have no significant risk of natural hazards that cannot be mitigated with geotechnical design.
- liquefaction assessment shows the site likely lies within performance levels L2 to L3 (moderate to high anticipated liquefaction effects).
- shallow foundations are likely to be suitable for the smaller buildings on site. Raft foundations and ground improvement will be needed, given the ground conditions and the liquefaction hazard encountered.

¹ HD Geo Preliminary Geotechnical Report – Hamilton Campground. Project No. HD2005, Ref: PGR, Dated 09.07.2021

² Wraight + Associates landscape Architects – Site analysis & investigation, Project 12917, 2022



- foundations for the larger buildings will need to be designed for low bearing and possible ground damage (due to liquefaction).

The liquefaction risk and variable ground conditions will govern the geotechnical design of the proposed development foundations. These governing factors are common geotechnical considerations when building within the Hamilton geology (Hinuera Formation).

Based on our assessment, the site is geotechnically suitable for the proposed development, subject to the recommendations outlined in our PGR (specific testing, assessment and design being undertaken for each of the buildings).

Kind regards,



BEN SMITH

Engineering Geologist

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